

1                                    CITATION TO PRIOR APPLICATION

2                    This is a continuation-in-part with respect to U.S.  
3                    Patent Application, Serial No. 10/037,754 filed October 22,  
4                    2001. *NOW US Patent 6,681,859.*  
5 *7/8/05*

6                                    BACKGROUND OF THE INVENTION

7                    1.    Field of The Invention

8                    The present invention relates to systems and methods for  
9                    producing or delivering heat at or near the down hole end of  
10                   production tubing of a producing oil or gas well for improving  
11                   production therefrom.

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13                   2.    Background Information

14                   Free-flowing oil is increasingly difficult to find, even  
15                   in oil wells that once had very good flow. In some cases,  
16                   good flowing wells simply "clog up" with paraffin. In other  
17                   cases, the oil itself in a given formation is of a viscosity  
18                   that it simply will not flow (or will flow very slowly) under  
19                   naturally ambient temperatures.

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21                   Because the viscosity of oil and paraffin have an inverse  
22                   relationship to their temperatures, the solution to non-